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審査請求 有 (全3頁)

㉑ 考案の名称 ディーゼル機関用燃料油供給装置

㉒ 実願 昭61-85718

㉓ 出願 昭61(1986)6月5日

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㉘ 実用新案登録請求の範囲

プレブースタポンプから出た燃料油を圧力調整弁で一定圧に保ちながら蓄圧器に送ると共に、上記蓄圧器から出た燃料油を、ブースタポンプにより加熱器に送り込み、加熱された燃料油をディーゼル機関に供給し、ディーゼル機関で消費されない余分の燃料油を調圧弁を経て前記蓄圧器に戻すようにしたディーゼル機関用燃料油供給装置において、

前記蓄圧器から燃料油タンクに燃料油を戻す燃料油戻し管路を設け、この燃料油戻し管路に圧力調整弁を取り付け、燃料油タンク、ブースタポンプ、蓄圧器及び圧力調整弁を経由する燃料油循環回路を構成したことを特徴とするディーゼル機関用燃料油供給装置。

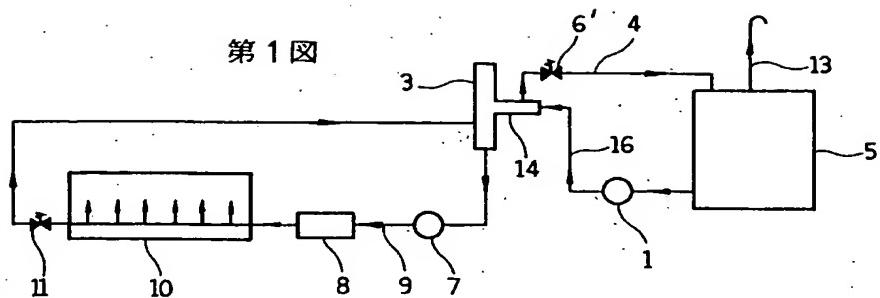
図面の簡単な説明

第1図は本考案の一実施例に係るディーゼル機

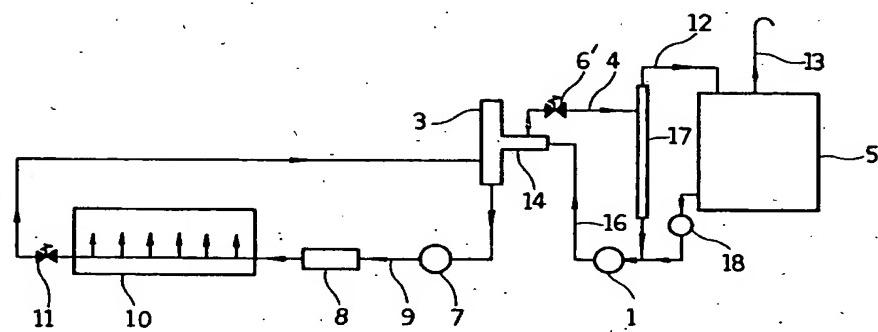
関用燃料油供給装置の燃料油配管系統図、第2図は別の実施例に係る燃料油供給装置の第1図相当図、第3図及び第4図は上記第1図または第2図に示した実施例装置に用いることのできる蓄圧器部分の側断面図、第5図は従来のディーゼル機関用燃料油供給装置の系統図である。

(符号の説明)、1…プレブースタポンプ、3…蓄圧器、3a…蓄圧器頂部、4…燃料油戻し管路、5…燃料油タンク、6'…圧力調整弁、6a…弁座、7…ブースタポンプ、8…加熱器、9…燃料油供給管路、10…ディーゼル機関、11…調圧弁、12…ベーパ排出管路、13…ベーパ抜き管、14…給油管、15…ベーパ連絡管、15a…接続部、15b…ベーパ連結管頂部、16…配油管、17…ベーパ分離管、18…流量計、L…油面。

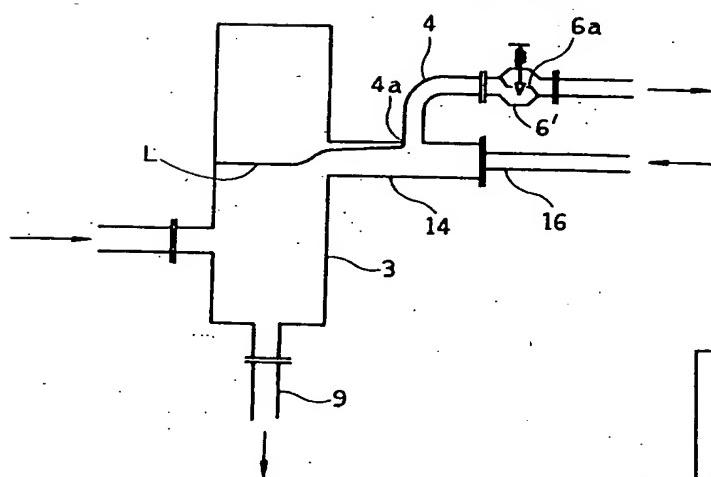
第1図



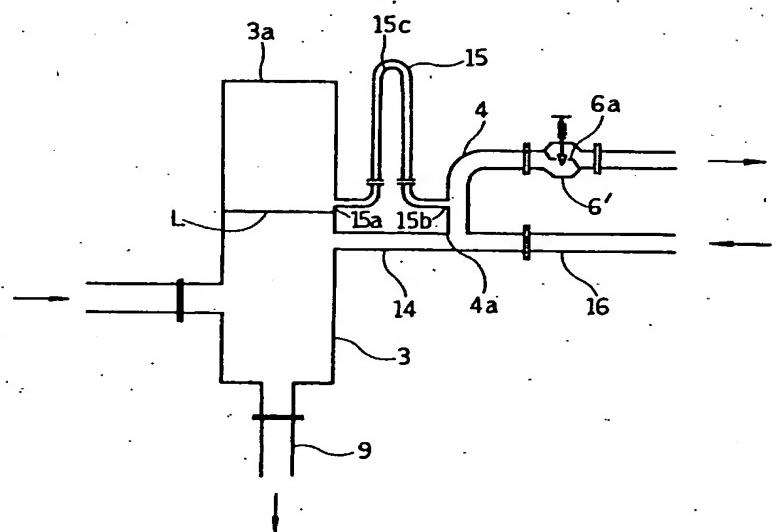
第2図



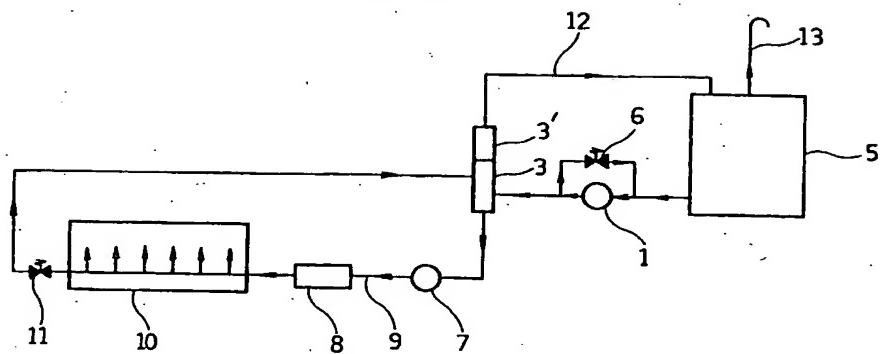
第3図



第4図



第5図



English Translation of

Japan Patent Office(JP)

**PUBLICATION OF UNEXAMINED
UTILITY MODEL APPLICATION**

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Title:	A fuel oil supply for diesel engines
Application Number:	S61-85718
Date of filing:	5. 6. 1986
Inventor:	Haruo OGINO, Tokihiro TANAKA
Applicant:	DAIHATSU Diesel Kabushikikaisha

[Claim of utility model]

A fuel oil supply system for diesel engines, comprising:

In a fuel oil supply for diesel engines, while sending to a container accumulate pressuring in the state that kept the fuel oil which appeared from a pre-booster pump constant pressure with a pressure regulator valve, the fuel oil which appeared from the accumulate pressuring container is sent into a heating apparatus with a booster pump, the heated fuel oil is supplied to a diesel engine, the extra fuel oil which was not used in a diesel engine was returned to the caliber who accumulate pressured by way of-like pressure dialect,

The fuel oil return duct line which changes back fuel oil into a fuel oil reservoir from the accumulate pressuring container is established, a pressure regulator valve is installed to this fuel oil return duct line, a fuel oil reservoir, a pre-booster pump, an accumulate pressuring container and a fuel oil supply for diesel engines including having composed the fuel oil circulation circuit which went by way of a pressure regulator valve.

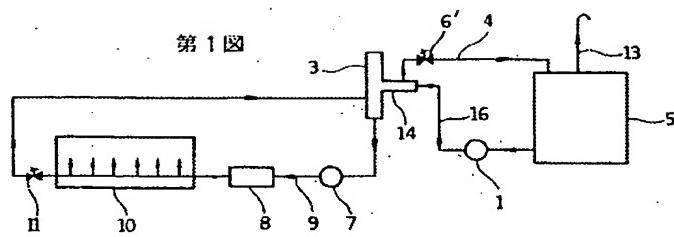
[Brief description of drawings]

Figure 1 is an illustration of fuel oil plumbing system of a fuel oil supply for diesel engines of one embodiment of the present invention, Figure 2 is a considerable figure of figure 1 of a fuel oil supply about an alternative embodiment, A sectional side elevation for the accumulate pressuring container region which there is of figure 3 and figure 4 using at an example device shown to figure 1 or figure 2, Figure 5 is an illustration of system of a fuel oil supply for conventional diesel engines.

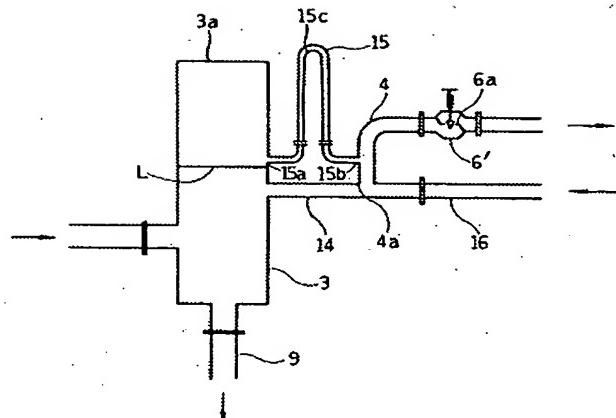
[Description of Notations]

1--pre-booster pump, 2--heating apparatus, 3--accumulate pressuring container, 3a--Item accumulate pressuring container part, 4--fuel oil return duct pipe, 5--fuel oil reservoir, 6--pressure regulator valve, 6a--pressure regulator valve, 7--booster pump, 8--heating apparatus, 9--fuel oil supply line, 10--diesel engine, 11--Adjustment dialect, 12--vapor exhaust line, 13--pipe without vapor, 14--fill pipe, 15--vapor communication pipe, 15a--, 15b--joint, 15c--department of vapor connection pipe clause, 16--oil supply pipe, 17--vapor separation pipe, 18--flowmeter, L--oil side

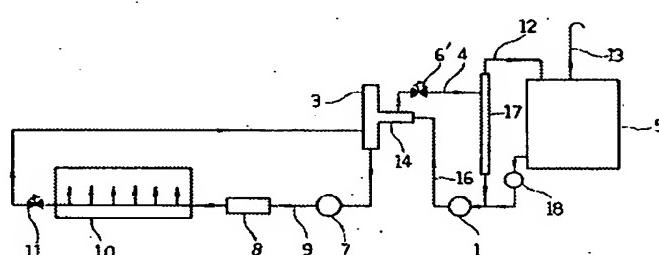
[Fig. 1]



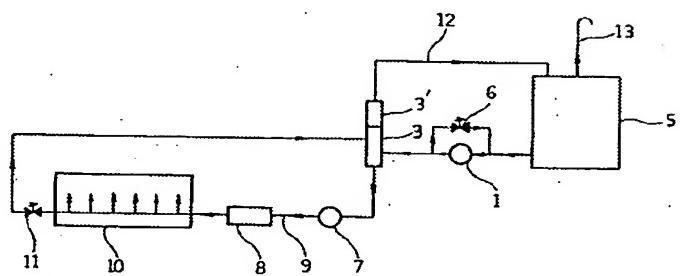
[Fig. 4]



[Fig. 2]



[Fig. 5]



[Fig. 3]

